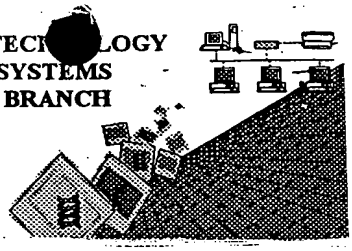
1696

BIOTECHNOLOGY SYSTEMS BRANCH



RAW SEQUENCE LISTING ERROR REPORT

RECEIVED
JAN 14 2003
TECH CENTER 1600

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/771,209A
Source: 1600
Date Processed by STIC: 01/06/2003

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO **REDUCE** ERRORED SEQUENCE LISTINGS, **PLEASE** USE THE **CHECKER VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
http://www.uspto.gov/web/offices/pac/checker

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<**http://www.uspto.gov/ebc/efs/downloads/documents.htm**> , **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. **Hand Carry directly to:**
   U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
   Or
   U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. **Federal Express, United Parcel Service, or other delivery service to:** U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

1600

Does Not Comply
Corrected Diskette Needed

See p. 8 for explanation of errors.

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/771,209A

DATE: 01/06/2003
TIME: 14:04:50

Input Set : A:\38586-B.txt
Output Set: N:\CRF4\01062003\I771209A.raw

RECEIVED
JAN 14 2003
TECH CENTER 1600/2900

```
     3 <110> APPLICANT: Buck, Linda
     4       Axel, Richard
     6 <120> TITLE OF INVENTION: ODORANT RECEPTORS AND USES THEREOF
     8 <130> FILE REFERENCE: 0575/38586-B/JPW/ADM
C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/771,209A
C--> 10 <141> CURRENT FILING DATE: 2001-01-26
    10 <150> PRIOR APPLICATION NUMBER: US 08/129,079
    11 <151> PRIOR FILING DATE: 1993-10-05
    13 <160> NUMBER OF SEQ ID NOS: 98
    15 <170> SOFTWARE: PatentIn version 3.0
    17 <210> SEQ ID NO: 1
    18 <211> LENGTH: 954
    19 <212> TYPE: DNA
    20 <213> ORGANISM: Rattus sp.
    22 <220> FEATURE:
    23 <221> NAME/KEY: misc_feature
    24 <223> OTHER INFORMATION: Clone: F12
    27 <400> SEQUENCE: 1
    28 atggaatcag ggaacagcac aagaagattt tcaagttttt ttcttcttgg atttacagaa     60
    30 aacccacaac ttcacttcct cattttgca ctattcctgt ccatgtacct ggtaacagtg    120
    32 cttgggaacc tgcttatcat tatggccatc atcacacagt ctcatttgca tacacccatg    180
    34 tacttttcc ttgctaacct atcctttgtg gacatctgtt tcacctccac caccatccca    240
    36 aagatgttgg taaatatata cacccagagc aagagcatca cctatgaaga ctgtattagc    300
    38 cagatgtgtg tcttcttggt tttcgcagaa ttgggcaact ttctcctggc tgtgatggcc    360
    40 tatgaccgat atgtggctaa ctgtcaccca ctgtgttaca cagtcattgt gaaccaccgg    420
    42 ctctgtatcc tgctgcttct gctgtcctgg gttatcagca ttttccatgc cttcatacag    480
    44 agcttaattg tgctacagtt gaccttctgt ggagatgtga aaatccctca cttcttctgt    540
    46 gaacttaatc agctgtccca actcacctgt tcagacaact ttccaagtca cctcataatg    600
    48 aatcttgtac ctgttatgtt ggcagccatt tccttcagtg gcatccttta ctcttatttc    660
    50 aagatagtat cctccataca ttctatctcc acagttcagg ggaagtacaa ggcattttct    720
    52 acttgtgcct ctcacctttc cattgtctcc ttattttata gtacaggcct cggagtgtac    780
    54 gtcagttctg ctgtggtcca aagctcacat tctgctgcaa gtgcttcggt catgtatact    840
    56 gtggtcaccc ccatgctgaa ccccttcatt tatagtctaa ggaataaaga tgtgaagaga    900
    58 gctctggaaa gactgttaga aggaaactgt aaagtgcatc attggactgg atga          954
    61 <210> SEQ ID NO: 2
    62 <211> LENGTH: 1002
    63 <212> TYPE: DNA
    64 <213> ORGANISM: Rattus sp.
    66 <220> FEATURE:
    67 <221> NAME/KEY: misc_feature
    68 <223> OTHER INFORMATION: Clone: F3
    71 <400> SEQUENCE: 2
    72 atggactcaa gcaacaggac aagagtttca gaatttcttc ttcttggatt tgtagaaaac     60
```

RAW SEQUENCE LISTING DATE: 01/06/2003
PATENT APPLICATION: **US/09/771,209A** TIME: 14:04:50

Input Set : **A:\38586-B.txt**
Output Set: **N:\CRF4\01062003\I771209A.raw**

74 aaagacctac aacccccttat ttatggtctt tttctctcta tgtacctggt tactgtcatt 120
76 ggaaacatat ccattattgt ggctatcatt tcagatccct gtctgcacac ccccatgtat 180
78 ttcttcctct ctaacctgtc ctttgtggac atctgtttca tttcaaccac tgttccaaag 240
80 atgttagtga acatccagac ccaaaacaat gtcatcacct atgcaggatg cattacccag 300
82 atatactttt tcttgctctt tgtagaattg gacaacttct tgctgactat catggcctat 360
84 gaccgttacg tagccatctg tcaccccatg cactacacag ttatcatgaa ctacaagctc 420
86 tgtggatttc tggttctggt atcttggatt gtaagtgttc tgcatgcctt gtttcaaagc 480
88 ttgatgatgt tggcgctgcc cttctgcaca catctggaaa tcccacacta cttctgtgaa 540
90 cctaatcagg tgattcaact cacctgttct gatgcatttc ttaatgatct tgtgatatat 600
92 tttacacttg tgctgctggc tactgttcct cttgctggca tcttctattc ttacttcaag 660
94 atagtgtcct ccatatgtgc tatatcgtca gttcatggga agtacaaagc attctccacc 720
96 tgtgcatctc acctttcagt cgtgtcttta ttttactgca caggactagg agtgtacctc 780
98 agttctgctg caaacaacag ctcacaggca agtgccacag cctcagtcat gtacactgta 840
100 gttaccccta tggtgaaccc ttttatctat agtcttagga ataaagatgt taagagtgtt 900
102 ctgaaaaaaa ctctttgtga ggaagttata aggagtccac cttccctact tcatttcttc 960
104 ctagtgttat gtcatctccc ttgttttatt ttttgttatt aa 1002
107 <210> SEQ ID NO: 3
108 <211> LENGTH: 942
109 <212> TYPE: DNA
110 <213> ORGANISM: Rattus sp.
112 <220> FEATURE:
113 <221> NAME/KEY: misc_feature
114 <223> OTHER INFORMATION: Clone: F5
117 <400> SEQUENCE: 3
118 atgagcagca ccaaccagtc cagtgtcacc gagttcctcc tcctgggact ctccaggcag 60
120 ccccagcagc agcagctcct cttcctgctc ttcctcatca tgtacctggc cactgtcctg 120
122 ggaaacctgc tcatcatcct ggctattggc acagactccc gcctgcacac ccccatgtac 180
124 ttcttcctca gtaacctgtc ctttgtggat gtctgcttct cctctaccac tgtcctaaa 240
126 gttctggcca accatatact tgggagtcag gccatttcct tctctgggtg tctcacccag 300
128 ctgtattttc tcgctgtgtt tggtaacatg gacaatttcc tgctggctgt gatgtcctat 360
130 gaccgatttg tggccatatg ccacccttta cactacacaa caaagatgac ccgtcagctc 420
132 tgtgtcctgc ttgttgtggg gtcatgggtt gtagccaaca tgaattgtct gttgcacata 480
134 ctgctcatgg ctcgactctc cttctgtgca gacaacatga tcccccactt cttctgtgat 540
136 ggaactcccc tcctgaaact ctcctgctca gacacacatc tcaatgagct gatgattctt 600
138 acagagggag ctgtggtcat ggtcacccca tttgtctgca tcctcatctc ctacatccac 660
140 atcacctgtg ctgtcctcag agtctcatcc cccaggggag gatggaaatc cttctccacc 720
142 tgtggctccc acctggctgt ggtctgcctc ttctatggca ccgtcatcgc tgtgtatttc 780
144 aacccatcat cctctcactt agctgggagg gacatggcag ctgcagtgat gtatgcagtg 840
146 gtgaccccaa tgctgaaccc tttcatctat agcctgagga acagcgacat gaaagcagct 900
148 ttaaggaaag tgctcgccat gagatttcca tctaagcagt aa 942
151 <210> SEQ ID NO: 4
152 <211> LENGTH: 936
153 <212> TYPE: DNA
154 <213> ORGANISM: Rattus sp.
156 <220> FEATURE:
157 <221> NAME/KEY: misc_feature
158 <223> OTHER INFORMATION: Clone: F6
161 <400> SEQUENCE: 4
162 atggcttgga gtactggcca gaacctgtcc acaccaggac cattcatctt gctgggcttc 60

RAW SEQUENCE LISTING DATE: 01/06/2003
PATENT APPLICATION: **US/09/771,209A** TIME: 14:04:50

Input Set : **A:\38586-B.txt**
Output Set: **N:\CRF4\01062003\I771209A.raw**

```
164 ccagggccaa ggagcatgcg cattgggctc ttcctgcttt tcctggtcat gtatctgctt   120
166 acggtagttg gaaacctagc catcatctcc ctggtaggtg cccacagatg cctacagaca   180
168 cccatgtact tcttcctctg caacctctcc ttcctggaga tctggttcac cacagcctgc   240
170 gtacccaaga ccctggccac atttgcgcct cggggtggag tcatttcctt ggctggctgt   300
172 gccacacaga tgtactttgt cttttctttg ggctgtaccg agtacttcct gctggctgtg   360
174 atggcttatg accgctacct ggccatctgc ctgccactgc gctatggtgg catcatgact   420
176 cctgggctgg cgatgcggtt ggccctggga tcctggctgt gtgggttttc tgcaatcaca   480
178 gttcctgcta ccctcattgc ccgcctctct ttctgtggct cacgtgtcat caaccacttc   540
180 ttctgtgaca tttcgccctg gatagtgctt tcctgcaccg acacgcaggt ggtggaactg   600
182 gtgtcctttg gcattgcctt ctgtgttatt ctgggctcgt gtggtatcac actagtctcc   660
184 tatgcttaca tcatcactac catcatcaag attccctctg cccggggccg gcaccgcgcc   720
186 ttctcaacct gctcatccca tctcactgtg gtgctgattt ggtatggctc caccatcttc   780
188 ttgcatgtga ggacctcggt agagagctcc ttggacctca ccaaagctat cacagtgctc   840
190 aacaccattg tcacacctgt gctgaaccct ttcatatata ctctgaggaa caaggatgtc   900
192 aaggaagctc tgcgcaggac ggtgaagggg aagtga                            936
195 <210> SEQ ID NO: 5
196 <211> LENGTH: 939
197 <212> TYPE: DNA
198 <213> ORGANISM: Rattus sp.
200 <220> FEATURE:
201 <221> NAME/KEY: misc_feature
202 <223> OTHER INFORMATION: Clone: I14
205 <400> SEQUENCE: 5
206 atgactggaa ataaccaaac tttgatcttg gagttcctcc tcctgggtct gcccatccca    60
208 tcagagtatc atctcctgtt ctatgccctg ttcctggcca tgtacctcac catcatcctg   120
210 ggaaacctgc taatcattgt ccttgttcga ctggactctc atctccacat gcccatgtac   180
212 ttgtttctca gcaacttgtc cttctctgac ctctgctttt cctctgtcac aatgcccaaa   240
214 ttgcttcaga acatgcagag ccaagtacca tctatatcct atacaggctg cctgacacag   300
216 ctgtacttct ttatggtttt tggagatatg gagagcttcc ttcttgtggt catggcctat   360
218 gaccgctatg tggccatttg ctttcctttg cgttacacca ccatcatgag caccaagttc   420
220 tgtgcttcac tagtgctact tctgtggatg ctgacgatga cccatgccct gctgcatacc   480
222 ctactcattg ctagattgtc tttttgtgag aagaatgtga ttcttcactt tttctgtgac   540
224 atttctgctc ttctgaagtt gtcctgctca gacatttatg ttaatgagct gatgatatat   600
226 atcttgggtg gactcatcat tattatccca ttcctattaa ttgttatgtc ctatgttaga   660
228 attttcttct ccattttgaa gtttccatct attcaggaca tctacaaggt attctcaacc   720
230 tgtggttccc atctgtctgt ggtgaccttg ttttatggga caatttttgg tatctactta   780
232 tgtccatcag gtaataattc tactgtgaag gagattgcca tggctatgat gtacacagtg   840
234 gtgactccca tgctgaatcc cttcatctac agcctgagga acagagacat gaaaagggcc   900
236 ctaataagag ttatctgcac taagaaaatc tctctgtaa                         939
239 <210> SEQ ID NO: 6
240 <211> LENGTH: 945
241 <212> TYPE: DNA
242 <213> ORGANISM: Rattus sp.
244 <220> FEATURE:
245 <221> NAME/KEY: misc_feature
246 <223> OTHER INFORMATION: Clone: I15
249 <400> SEQUENCE: 6
250 atgacagaag agaaccaaac tgtgatctcc cagttccttc tccttttcct gcccatcccc    60
252 tcagagcacc agcacgtgtt ctacgccctg ttcctgtcca tgtacctcac cactgtcctg   120
```

RAW SEQUENCE LISTING DATE: 01/06/2003
PATENT APPLICATION: **US/09/771,209A** TIME: 14:04:50

Input Set : **A:\38586-B.txt**
Output Set: **N:\CRF4\01062003\I771209A.raw**

254 gggaacctca tcatcatcat cctcattcac ctggactccc atctccacac acccatgtac 180
256 ttgtttctca gcaacttgtc cttctctgat ctctgctttt cctctgttac gatgcccaag 240
258 ttgttgcaga acatgcagag ccaagttcca tccatcccct ttgcaggctg cctgacacaa 300
260 ttatactttt acctgtattt tgcagacctt gagagcttcc tgcttgtggc catggcctat 360
262 gaccgctatg tggccatctg cttccccctt cattacatga gcatcatgag ccccaagctc 420
264 tgtgtgagtc tggtggtgct gtcctgggtg ctgaccacct tccatgccat gctgcacacc 480
266 ctgctcatgg ccagattgtc attctgtgcg gacaatatga tcccccactt tttctgtgat 540
268 atatctcctt tattgaaact gtcctgctct gacacgcatg ttaatgagtt ggtgatattt 600
270 gtcatgggag ggcttgttat tgtcattcca tttgtgctca tcattgtatc ttatgcacga 660
272 gttgtcgcct ccattcttaa agtcccttct gtccgaggca tccacaagat cttctccacc 720
274 tgcggctccc atctgtctgt ggtgtcactg ttctatggga caatcattgg tctctactta 780
276 tgtccgtcag ctaataactc tactgtgaag gagactgtca tggccatgat gtacacagtg 840
278 gtgaccccca tgctgaaccc cttcatctac agcctgagga acagagacat gaaagaggca 900
280 ctgataagag tcctttgtaa aaagaaaatt accttctgtc tatga 945
283 <210> SEQ ID NO: 7
284 <211> LENGTH: 933
285 <212> TYPE: DNA
286 <213> ORGANISM: Rattus sp.
288 <220> FEATURE:
289 <221> NAME/KEY: misc_feature
290 <223> OTHER INFORMATION: Clone: I3
293 <400> SEQUENCE: 7
294 atgaacaatc aaactttcat cacccaattc cttctcctgg gactgcccat ccctgaagaa 60
296 catcagcacc tgttctatgc cttgttcctg gtcatgtacc tcaccaccat cttgggaaac 120
298 ttgctaatca ttgtacttgt tcaactggac tcccagctcc acacacctat gtatttgttt 180
300 ctcagcaatt tgtctttctc tgatctatgt ttttcctctg tcacaatgcc caagctgctg 240
302 cagaacatga ggagccagga cacatccatt ccctatggag gctgcctggc acaaacatac 300
304 ttctttatgg tttttggaga tatggagagt ttccttcttg tggccatggc ctatgaccgc 360
306 tatgtggcca tctgcttccc tctgcattac accagcatca tgagccccaa gctctgtact 420
308 tgtctagtgc tgttattgtg gatgctgacg acatcccatg ccatgatgca cacactgctt 480
310 gcagcaagat tgtctttttg tgagaacaat gtggtcctca acttcttctg tgacctattt 540
312 gttctcctaa agctggcctg ctcagacact tatattaatg agttgatgat atttatcatg 600
314 agtacactcc tcattattat tccattcttc ctcattgtta tgtcctatgc aaggatcata 660
316 tcctctattc ttaaggttcc atctacccaa ggcatctgca aggtcttctc tacctgtggt 720
318 tcccatctgt ctgtagtatc actgttctat gggacaatta ttggtctcta cttatgtcca 780
320 gcaggtaata attccactgt aaaagagatg gtcatggcca tgatgtacac tgtggtgacc 840
322 cccatgctga atcccttcat ctacagccta aggaatagag atatgaagag ggccctaata 900
324 agagttatct gtagtatgaa aatcactctg taa 933
327 <210> SEQ ID NO: 8
328 <211> LENGTH: 984
329 <212> TYPE: DNA
330 <213> ORGANISM: Rattus sp.
332 <220> FEATURE:
333 <221> NAME/KEY: misc_feature
334 <223> OTHER INFORMATION: Clone: I7
337 <400> SEQUENCE: 8
338 atggagcgaa ggaaccacag tgggagagtg agtgaatttg tgttgctggg tttcccagct 60
340 cctgccccac tgcgagtact actatttttc ctttctcttc tggactatgt gttggtgttg 120
342 actgaaaaca tgctcatcat tatagcaatt aggaaccacc caaccctcca caaacccatg 180

RAW SEQUENCE LISTING DATE: 01/06/2003
PATENT APPLICATION: **US/09/771,209A** TIME: 14:04:50

Input Set : **A:\38586-B.txt**
Output Set: **N:\CRF4\01062003\I771209A.raw**

344 tatttttttct tggctaatat gtcatttctg gagatttggt atgtcactgt tacgattcct 240
346 aagatgctcg ctggcttcat tggttccaag gagaaccatg gacagctgat ctcctttgag 300
348 gcatgcatga cacaactcta ctttttcctg ggcttgggtt gcacagagtg tgtccttctt 360
350 gctgtgatgg cctatgaccg ctatgtggct atctgtcatc cactccacta ccccgtcatt 420
352 gtcagtagcc ggctatgtgt gcagatggca gctggatcct gggctggagg ttttggtatc 480
354 tccatggtta aagttttcct tatttctcgc ctgtcttact gtggccccaa caccatcaac 540
356 cacttttttct gtgatgtgtc tccattgctc aacctgtcat gcactgacat gtccacagca 600
358 gagcttacag actttgtcct ggccattttt attctgctgg gaccgctctc tgtcactggg 660
360 gcatcctaca tggccatcac aggtgctgtg atgcgcatcc cctcagctgc tggccgccat 720
362 aaagcctttt caacctgtgc ctcccacctc actgttgtga tcatcttcta tgcagccagt 780
364 attttcatct atgccaggcc taaggcactc tcagcttttg acaccaacaa gctggtctct 840
366 gtactctacg ctgtcattgt accgttgttc aatcccatca tctactgctt gcgcaaccaa 900
368 gatgtcaaaa gagcgctacg tcgcacgctg cacctggccc aggaccagga ggccaatacc 960
370 aacaaaggca gcaaaattgg ttag 984
373 <210> SEQ ID NO: 9
374 <211> LENGTH: 939
375 <212> TYPE: DNA
376 <213> ORGANISM: Rattus sp.
378 <220> FEATURE:
379 <221> NAME/KEY: misc_feature
380 <223> OTHER INFORMATION: Clone: I8
383 <400> SEQUENCE: 9
384 atgaacaaca aaactgtcat cacccatttc ctcctcctgg gattgcccat ccccccagag 60
386 caccagcaac tgttctttgc cctgttcctg atcatgtacc tcaccacctt tctgggaaac 120
388 ctgctaattg ttgtccttgt tcaactggac tctcatctcc acacacccat gtacttgttt 180
390 ctcagcaact tgtccttctc tgatctctgc ttttcctctg ttacaatgct gaaattgctg 240
392 caaaatatac agagccaagt accatctata tcctatgcag gatgcctgac acagatattc 300
394 ttctttttgt tgtttggcta ccttgggaat ttccttcttg tagccatggc ctatgaccgc 360
396 tatgtggcca tctgcttccc tctgcattat accaacatca tgagccataa gctctgtact 420
398 tgtctcctgc tggtattttg gataatgaca tcatctcatg ccatgatgca caccctgctt 480
400 gcagcaagat tgtctttttg tgagaacaat gtactcctca acttttctg tgacctgttt 540
402 gttctcctaa agttggcctg ctcagacact tatgttaatg agttgatgat acatatcatg 600
404 ggcgtgatca tcattgttat tccattcgtg ctcattgtta tatcctatgc caagatcatc 660
406 tcctccattc ttaaggttcc atctactcaa agcattcaca aggtcttctc cacttgtggt 720
408 tctcatctct ctgtggtgtc tctgttctac gggacaatta ttggtctcta tttatgtcca 780
410 tcaggtgata attttagtct aaaggggtct gccatggcta tgatgtacac agtggtaact 840
412 ccaatgctga acccgttcat ctacagccta agaaacagag acatgaagca ggccctaata 900
414 agagttacct gtagcaagaa aatctctctg ccatggtag 939
417 <210> SEQ ID NO: 10
418 <211> LENGTH: 945
419 <212> TYPE: DNA
420 <213> ORGANISM: Rattus sp.
422 <220> FEATURE:
423 <221> NAME/KEY: misc_feature
424 <223> OTHER INFORMATION: Clone: I9
427 <400> SEQUENCE: 10
428 atgactagaa gaaaccaaac tgccatctct cagttcttcc ttctgggcct gccattcccc 60
430 ccagagtacc aacacctgtt ctatgccctg ttcctggcca tgtacctcac cactctcctg 120
432 gggaacctca tcatcatcat cctcattcta ctggactccc atctccacac acccatgtac 180

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 01/06/2003
PATENT APPLICATION: **US/09/771,209A** TIME: 14:04:51

Input Set : **A:\38586-B.txt**
Output Set: **N:\CRF4\01062003\I771209A.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:11; N Pos. 440,441
Seq#:12; Xaa Pos. 147
Seq#:13; N Pos. 182,205,206,207,208,209,210,211,212,213,214,215,216,217,218
Seq#:13; N Pos. 219,220,221,222,223,224,225,226,227,228,229,230,231,232,233
Seq#:13; N Pos. 234,235,236,237,238,239,240,241,242,243,244,245,246,247,248
Seq#:13; N Pos. 249,250,251,252,253,254,255,256,257,258,259,260,261,262,263
Seq#:13; N Pos. 264,265,266,267,268,269,270,271,272,273,274,275,276,277,278
Seq#:13; N Pos. 279,280,281,282,283,284,285,286,287,288,289,290,291,292,293
Seq#:13; N Pos. 294,295,296,297,298,299,300,301,302,303,304,305,306,307,308
Seq#:13; N Pos. 309,310,311,312,313,314,315,316,317,318,319,320,321,322,323
Seq#:13; N Pos. 324,325,326,327,328,329,330,331,332,333,334,335,336,337,338
Seq#:13; N Pos. 339,340,341,342,343,344,345,346,347,348,349,350,351,352,353
Seq#:13; N Pos. 354,355,356,357,358,359,360,361,362,363,364,365,366,367,368
Seq#:13; N Pos. 369,370,371,372,373,374,375,376,377,378,379,380,381,382,383
Seq#:13; N Pos. 384,385,386,387,388,389,390,391,392,393,394,395,396,397,398
Seq#:13; N Pos. 399,400,401,402,403,404,405,406,407,408,409,410,411,412,413
Seq#:13; N Pos. 414,415,416,417,418,419,420,421,422,423,424,425,426,427,428
Seq#:13; N Pos. 494,495
Seq#:14; Xaa Pos. 61,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85
Seq#:14; Xaa Pos. 86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102,103
Seq#:14; Xaa Pos. 104,105,106,107,108,109,110,111,112,113,114,115,116,117
Seq#:14; Xaa Pos. 118,119,120,121,122,123,124,125,126,127,128,129,130,131
Seq#:14; Xaa Pos. 132,133,134,135,136,137,138,139,140,141,142,143,165
Seq#:21; N Pos. 270,271,272,273,274
Seq#:22; Xaa Pos. 90,91
Seq#:23; N Pos. 1,236,237,238,239,240,241,242,243,244,245,246,247,248,249
Seq#:23; N Pos. 250,251,252,253,254,255,256,257,258,259,260,261,262,263,264
Seq#:23; N Pos. 265,266,267,268,269,270,271,272,273,274,275,276,277,278,279
Seq#:23; N Pos. 280,281,282,283,284,285,286,287,288,289,290,291,292,293,294
Seq#:23; N Pos. 295,296,297,298,299,300,301,302,303,304,305,306,307,308,309
Seq#:23; N Pos. 310,311,312,313,314,315,316,317,318,319,320,321,322,323,324
Seq#:23; N Pos. 325,326,327,328,329,330,331,332,333,334,335,336,337,338,339
Seq#:23; N Pos. 340,341,342,343,344,345,346,347,348,349,350,351,352,353,354
Seq#:23; N Pos. 355,356,357,358,359,360,361,362,363,364,365,366,367,368,369
Seq#:23; N Pos. 370,371,372,373,374,375,376,377,378,379,380,381,382,383,384
Seq#:23; N Pos. 385,386,387,388,389,390,391,392,393,394,395,396,397,398,399
Seq#:23; N Pos. 400,401,402
Seq#:24; Xaa Pos. 79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97
Seq#:24; Xaa Pos. 98,99,100,101,102,103,104,105,106,107,108,109,110,111,112
Seq#:24; Xaa Pos. 113,114,115,116,117,118,119,120,121,122,123,124,125,126
Seq#:24; Xaa Pos. 127,128,129,130,131,132,133,134
Seq#:25; N Pos. 236,237,238,239,240,241,242,243,244,245,246,247,248,249,250
Seq#:25; N Pos. 251,252,253,254,255,256,257,258,259,260,261,262,263,264,265
Seq#:25; N Pos. 266,267,268,269,270,271,272,273,274,275,276,277,278,279,280

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 01/06/2003
PATENT APPLICATION: **US/09/771,209A** TIME: 14:04:51

Input Set : **A:\38586-B.txt**
Output Set: **N:\CRF4\01062003\I771209A.raw**

Seq#:25; N Pos. 281,282,283,284,285,286,287,288,289,290,291,292,293,294,295
Seq#:25; N Pos. 296,297,298,299,300,301,302,303,304,305,306,307,308,309,310
Seq#:25; N Pos. 311,312,313,314,315,316,317,318,319,320,321,322,323,324,325
Seq#:25; N Pos. 326,327,328,329,330,331,332,333,334,335,336,337,338,339,340
Seq#:25; N Pos. 341,342,343,344,345,346,347,348,349,350,351,352,353,354,355
Seq#:25; N Pos. 356,357,358,359,360,361,362,363,364,365,366,367,368,369,370
Seq#:25; N Pos. 371,372,373,374,375,376,377,378,379,380,381,382,383,384,385
Seq#:25; N Pos. 386,387,388,389,390,391,392,393,394,395,396,397,398,399,400
Seq#:25; N Pos. 401,402
Seq#:26; Xaa Pos. 79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97
Seq#:26; Xaa Pos. 98,99,100,101,102,103,104,105,106,107,108,109,110,111,112
Seq#:26; Xaa Pos. 113,114,115,116,117,118,119,120,121,122,123,124,125,126
Seq#:26; Xaa Pos. 127,128,129,130,131,132,133,134
Seq#:27; N Pos. 183,184,185
Seq#:28; Xaa Pos. 61,62
Seq#:31; N Pos. 178,179
Seq#:32; Xaa Pos. 59,60
Seq#:35; N Pos. 212,213,214,215,216,217,218,219,220,221,222,223,224,225,226
Seq#:35; N Pos. 227,228,229,230,231,232,233,234,235,236,237,238,239,240,241
Seq#:35; N Pos. 242,243,244,245,246,247,248,249,250,251,252,253
Seq#:36; Xaa Pos. 71,72,73,74,75,76,77,78,79,80,81,82,83,84
Seq#:37; N Pos. 9,12,15,21,24,27,30,33
Seq#:38; N Pos. 12,15,21,24,27,30
Seq#:39; N Pos. 6,12,15,18,21,24,27,30
Seq#:40; N Pos. 3,6,9,21,30
Seq#:41; N Pos. 3,6,12,15,21,24,27,30
Seq#:42; N Pos. 4,13,16,22,25,28
Seq#:43; N Pos. 8,20,23,26
Seq#:44; N Pos. 3,12,15,21,24,27
Seq#:45; N Pos. 6,12,15,21,27
Seq#:46; N Pos. 6,12,15,21,26,27
Seq#:47; N Pos. 3,6,9,21,27
Seq#:48; N Pos. 6,15,21
Seq#:49; N Pos. 3,6,9,12,15,18,24,27
Seq#:55; Xaa Pos. 2,3,7
Seq#:56; Xaa Pos. 2,3,7
Seq#:57; Xaa Pos. 2,6,7
Seq#:58; Xaa Pos. 2,6,7
Seq#:59; Xaa Pos. 3,4
Seq#:60; Xaa Pos. 3,4
Seq#:61; Xaa Pos. 1,2,7
Seq#:62; Xaa Pos. 1,2,7
Seq#:63; Xaa Pos. 5
Seq#:64; Xaa Pos. 5
Seq#:65; Xaa Pos. 2,3,6,9
Seq#:66; Xaa Pos. 2,3,6,9
Seq#:67; Xaa Pos. 2,3,6
Seq#:68; Xaa Pos. 2,3,6
Seq#:69; Xaa Pos. 3,6

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 01/06/2003
PATENT APPLICATION: **US/09/771,209A** TIME: 14:04:51

Input Set : **A:\38586-B.txt**
Output Set: **N:\CRF4\01062003\I771209A.raw**

Seq#:70; Xaa Pos. 3,6

Use of <220> Feature(NEW RULES):
Sequence(s) are missing the <220> Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence" or"Unknown". Please explain source of genetic material in <220> to <223> section (See "Federal Register," 6/01/98, Vol. 63, No. 104,pp.29631-32) (Sec.1.823 of new Rules)

Seq#:50,51,52,53

VARIABLE LOCATION SUMMARY DATE: 01/06/2003
PATENT APPLICATION: **US/09/771,209A** TIME: 14:04:51

Input Set : **A:\38586-B.txt**
Output Set: **N:\CRF4\01062003\I771209A.raw**

Use of n's or Xaa's(NEW RULES):
Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:11; N Pos. 440,441
Seq#:12; Xaa Pos. 147
Seq#:13; N Pos. 182,205,206,207,208,209,210,211,212,213,214,215,216,217,218
Seq#:13; N Pos. 219,220,221,222,223,224,225,226,227,228,229,230,231,232,233
Seq#:13; N Pos. 234,235,236,237,238,239,240,241,242,243,244,245,246,247,248
Seq#:13; N Pos. 249,250,251,252,253,254,255,256,257,258,259,260,261,262,263
Seq#:13; N Pos. 264,265,266,267,268,269,270,271,272,273,274,275,276,277,278
Seq#:13; N Pos. 279,280,281,282,283,284,285,286,287,288,289,290,291,292,293
Seq#:13; N Pos. 294,295,296,297,298,299,300,301,302,303,304,305,306,307,308
Seq#:13; N Pos. 309,310,311,312,313,314,315,316,317,318,319,320,321,322,323
Seq#:13; N Pos. 324,325,326,327,328,329,330,331,332,333,334,335,336,337,338
Seq#:13; N Pos. 339,340,341,342,343,344,345,346,347,348,349,350,351,352,353
Seq#:13; N Pos. 354,355,356,357,358,359,360,361,362,363,364,365,366,367,368
Seq#:13; N Pos. 369,370,371,372,373,374,375,376,377,378,379,380,381,382,383
Seq#:13; N Pos. 384,385,386,387,388,389,390,391,392,393,394,395,396,397,398
Seq#:13; N Pos. 399,400,401,402,403,404,405,406,407,408,409,410,411,412,413
Seq#:13; N Pos. 414,415,416,417,418,419,420,421,422,423,424,425,426,427,428
Seq#:13; N Pos. 494,495
Seq#:14; Xaa Pos. 61,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85
Seq#:14; Xaa Pos. 86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102,103
Seq#:14; Xaa Pos. 104,105,106,107,108,109,110,111,112,113,114,115,116,117
Seq#:14; Xaa Pos. 118,119,120,121,122,123,124,125,126,127,128,129,130,131
Seq#:14; Xaa Pos. 132,133,134,135,136,137,138,139,140,141,142,143,165
Seq#:21; N Pos. 270,271,272,273,274
Seq#:22; Xaa Pos. 90,91
Seq#:23; N Pos. 1,236,237,238,239,240,241,242,243,244,245,246,247,248,249
Seq#:23; N Pos. 250,251,252,253,254,255,256,257,258,259,260,261,262,263,264
Seq#:23; N Pos. 265,266,267,268,269,270,271,272,273,274,275,276,277,278,279
Seq#:23; N Pos. 280,281,282,283,284,285,286,287,288,289,290,291,292,293,294
Seq#:23; N Pos. 295,296,297,298,299,300,301,302,303,304,305,306,307,308,309
Seq#:23; N Pos. 310,311,312,313,314,315,316,317,318,319,320,321,322,323,324
Seq#:23; N Pos. 325,326,327,328,329,330,331,332,333,334,335,336,337,338,339
Seq#:23; N Pos. 340,341,342,343,344,345,346,347,348,349,350,351,352,353,354
Seq#:23; N Pos. 355,356,357,358,359,360,361,362,363,364,365,366,367,368,369
Seq#:23; N Pos. 370,371,372,373,374,375,376,377,378,379,380,381,382,383,384
Seq#:23; N Pos. 385,386,387,388,389,390,391,392,393,394,395,396,397,398,399
Seq#:23; N Pos. 400,401,402
Seq#:24; Xaa Pos. 79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97
Seq#:24; Xaa Pos. 98,99,100,101,102,103,104,105,106,107,108,109,110,111,112
Seq#:24; Xaa Pos. 113,114,115,116,117,118,119,120,121,122,123,124,125,126
Seq#:24; Xaa Pos. 127,128,129,130,131,132,133,134
Seq#:25; N Pos. 236,237,238,239,240,241,242,243,244,245,246,247,248,249,250
Seq#:25; N Pos. 251,252,253,254,255,256,257,258,259,260,261,262,263,264,265

VARIABLE LOCATION SUMMARY DATE: 01/06/2003
PATENT APPLICATION: **US/09/771,209A** TIME: 14:04:51

Input Set : **A:\38586-B.txt**
Output Set: **N:\CRF4\01062003\I771209A.raw**

Seq#:25; N Pos. 266,267,268,269,270,271,272,273,274,275,276,277,278,279,280
Seq#:25; N Pos. 281,282,283,284,285,286,287,288,289,290,291,292,293,294,295
Seq#:25; N Pos. 296,297,298,299,300,301,302,303,304,305,306,307,308,309,310
Seq#:25; N Pos. 311,312,313,314,315,316,317,318,319,320,321,322,323,324,325
Seq#:25; N Pos. 326,327,328,329,330,331,332,333,334,335,336,337,338,339,340
Seq#:25; N Pos. 341,342,343,344,345,346,347,348,349,350,351,352,353,354,355
Seq#:25; N Pos. 356,357,358,359,360,361,362,363,364,365,366,367,368,369,370
Seq#:25; N Pos. 371,372,373,374,375,376,377,378,379,380,381,382,383,384,385
Seq#:25; N Pos. 386,387,388,389,390,391,392,393,394,395,396,397,398,399,400
Seq#:25; N Pos. 401,402
Seq#:26; Xaa Pos. 79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97
Seq#:26; Xaa Pos. 98,99,100,101,102,103,104,105,106,107,108,109,110,111,112
Seq#:26; Xaa Pos. 113,114,115,116,117,118,119,120,121,122,123,124,125,126
Seq#:26; Xaa Pos. 127,128,129,130,131,132,133,134
Seq#:27; N Pos. 183,184,185
Seq#:28; Xaa Pos. 61,62
Seq#:31; N Pos. 178,179
Seq#:32; Xaa Pos. 59,60
Seq#:35; N Pos. 212,213,214,215,216,217,218,219,220,221,222,223,224,225,226
Seq#:35; N Pos. 227,228,229,230,231,232,233,234,235,236,237,238,239,240,241
Seq#:35; N Pos. 242,243,244,245,246,247,248,249,250,251,252,253
Seq#:36; Xaa Pos. 71,72,73,74,75,76,77,78,79,80,81,82,83,84
Seq#:37; N Pos. 9,12,15,21,24,27,30,33
Seq#:38; N Pos. 12,15,21,24,27,30
Seq#:39; N Pos. 6,12,15,18,21,24,27,30
Seq#:40; N Pos. 3,6,9,21,30
Seq#:41; N Pos. 3,6,12,15,21,24,27,30
Seq#:42; N Pos. 4,13,16,22,25,28
Seq#:43; N Pos. 8,20,23,26
Seq#:44; N Pos. 3,12,15,21,24,27
Seq#:45; N Pos. 6,12,15,21,27
Seq#:46; N Pos. 6,12,15,21,26,27
Seq#:47; N Pos. 3,6,9,21,27
Seq#:48; N Pos. 6,15,21
Seq#:49; N Pos. 3,6,9,12,15,18,24,27
Seq#:55; Xaa Pos. 2,3,7
Seq#:56; Xaa Pos. 2,3,7
Seq#:57; Xaa Pos. 2,6,7
Seq#:58; Xaa Pos. 2,6,7
Seq#:59; Xaa Pos. 3,4
Seq#:60; Xaa Pos. 3,4
Seq#:61; Xaa Pos. 1,2,7
Seq#:62; Xaa Pos. 1,2,7
Seq#:63; Xaa Pos. 5
Seq#:64; Xaa Pos. 5
Seq#:65; Xaa Pos. 2,3,6,9
Seq#:66; Xaa Pos. 2,3,6,9
Seq#:67; Xaa Pos. 2,3,6
Seq#:68; Xaa Pos. 2,3,6

VARIABLE LOCATION SUMMARY DATE: 01/06/2003
PATENT APPLICATION: **US/09/771,209A** TIME: 14:04:51

Input Set : **A:\38586-B.txt**
Output Set: **N:\CRF4\01062003\I771209A.raw**

Seq#:69; Xaa Pos. 3,6
Seq#:70; Xaa Pos. 3,6

VERIFICATION SUMMARY DATE: 01/06/2003
PATENT APPLICATION: **US/09/771,209A** TIME: 14:04:51

Input Set : **A:\38586-B.txt**
Output Set: **N:\CRF4\01062003\I771209A.raw**

L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:491 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:11
L:491 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:420
L:544 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:12
L:544 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:144
L:581 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:13
L:581 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:180
L:583 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:240
L:585 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:300
L:587 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:360
L:589 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:420
L:591 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:480
L:624 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:14
L:624 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:48
L:627 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:64
L:630 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:80
L:633 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:96
L:636 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:112
L:639 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:128
L:645 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:160
L:929 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:21
L:929 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:240
L:972 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:22
L:972 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:80
L:1003 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:23
L:1003 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
L:1009 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:180
L:1011 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:240
L:1013 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:300
L:1015 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:360
L:1055 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:24
L:1055 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:64
L:1058 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:80
L:1061 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:96
L:1064 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:112
L:1067 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:128
L:1107 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:25
L:1107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:180
L:1109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:240
L:1111 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:300
L:1113 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:360
L:1153 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:26
L:1153 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:64
L:1156 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:80
L:1159 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:96
L:1162 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:112
L:1165 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:128

VERIFICATION SUMMARY DATE: 01/06/2003
PATENT APPLICATION: **US/09/771,209A** TIME: 14:04:51

Input Set : **A:\38586-B.txt**
Output Set: **N:\CRF4\01062003\I771209A.raw**

L:1205 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:27
L:1205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:180
L:1244 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:28
L:1244 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:48
L:1357 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:31
L:1357 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:120
L:1398 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:32
L:1398 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:48
L:1508 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:35
L:1508 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:180
L:1510 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:240
L:1550 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:36
L:1550 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:64
L:1553 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:80
L:1571 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:37
L:1579 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:37
L:1579 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0
L:1585 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:38
L:1593 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:38
L:1593 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0
L:1599 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:39
L:1607 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:39
L:1607 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0
L:1613 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:40
L:1621 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:40
L:1621 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0
L:1627 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:41
L:1635 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:41
L:1635 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0
L:1641 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:42
L:1649 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:42
L:1649 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0
L:1655 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:43
L:1663 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:43
L:1669 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:44
L:1677 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:44
L:1683 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:45
L:1691 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:45
L:1697 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:46
L:1705 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:46
L:1711 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:47
L:1719 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:47
L:1725 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:48
L:1733 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:48
L:1739 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:49
L:1747 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:49
L:1753 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:50
L:1755 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:50, <213> ORGANISM:Artificial Sequence
L:1755 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:50, <213> ORGANISM:Artificial Sequence

VERIFICATION SUMMARY DATE: 01/06/2003
PATENT APPLICATION: **US/09/771,209A** TIME: 14:04:51

Input Set : **A:\38586-B.txt**
Output Set: **N:\CRF4\01062003\I771209A.raw**

L:1755 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:50,Line#:1755
L:1763 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:51
L:1765 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:51, <213> ORGANISM:Artificial Sequence
L:1765 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:51, <213> ORGANISM:Artificial Sequence
L:1765 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:51,Line#:1765
L:1773 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:52
L:1775 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:52, <213> ORGANISM:Artificial Sequence
L:1775 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:52, <213> ORGANISM:Artificial Sequence
L:1775 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:52,Line#:1775
L:1783 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:53
L:1785 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:53, <213> ORGANISM:Artificial Sequence
L:1785 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:53, <213> ORGANISM:Artificial Sequence
L:1785 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:53,Line#:1785
L:1806 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:55
L:1815 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:55
L:1821 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:56
L:1824 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:56
L:1830 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:56
L:1836 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:56
L:1849 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:57
L:1858 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:57
L:1864 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:58
L:1867 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:58
L:1873 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:58
L:1879 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:58
L:1892 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:59
L:1901 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:59
L:1907 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:60
L:1910 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:60
L:1916 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:60
L:1929 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:61
L:1957 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:62
L:1960 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:62
L:1966 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:62
L:1972 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:62
L:1985 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:63
L:1994 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:63
L:2000 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:64
L:2003 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:64
L:2016 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:65
L:2025 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:65
L:2031 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:66
L:2034 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:66
L:2040 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:66
L:2046 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:66
L:2052 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:66
L:2065 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:67

L:2074 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:67
L:2080 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:68

VERIFICATION SUMMARY DATE: 01/06/2003
PATENT APPLICATION: **US/09/771,209A** TIME: 14:04:51

Input Set : **A:\38586-B.txt**
Output Set: **N:\CRF4\01062003\I771209A.raw**

L:2083 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:68
L:2089 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:68
L:2095 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:68
L:2108 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:69
L:2117 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:69
L:2123 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:70
L:2126 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:70
L:2132 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:70